

## CLAIMS

1. A tile cutting attachment for cutting holes in tiles of a hard composition, comprising of a shaft (1) and a tip (2) for engaging the workpiece, the tip is provided with 6 cutting edges and each edge is provided with a clearance angle (c) approx  $10^{\circ}$  -  $20^{\circ}$ , sufficient to provide a cutting edge to cut the workpiece as the drill bit rotates, the tip should be provided with a point angle (p) of approx  $90^{\circ}$ .
2. The point as claimed in claim 1 should be given a relief angle of approx  $60^{\circ}$
3. The point angle (p) and relief angle (r) as claimed in claim 1 and 2 should form a central point on the head of the tip
4. Secondary cutting edges as claimed in claim 1 should be provided with an overall angle (s) of approx  $30^{\circ}$
5. A tile drill bit as claimed in claim 1 having an active diameter of (d)
6. The cutting tip as claimed in claim 1 is manufactured from tungsten carbide